

REMARKS

This Amendment is responsive to the Office Action identified above, and is further responsive in any other manner indicated below.

CONSIDERATION OF INFORMATION DISCLOSURE STATEMENT REQUESTED

Applicant's previously-submitted 22 October 2001 information disclosure statement (IDS) has not been acknowledged as having been considered, i.e., a copy of any Form(s) PTO-1449 has not been returned with Examiner initialing to indicate consideration. For convenience, submitted herewith is another copy of any Form(s) PTO-1449 from such IDS. The Applicant specifically requests return of an Examiner-initialed copy of the Form(s) PTO-1449, indicating that the information (i.e., references) has been considered. Applicant respectfully thanks the Examiner in advance for such initialing/consideration.

FORM(S) PTO/SB/08 LISTING REFS CITED IN PCT APPLICATION

Submitted herewith is a Form(s) PTO/SB/08 listing reference(s) from the PCT search, for Examiner initialing to make such art of record in the present application. The 26 February 1999 Notice of Acceptance within the record of the application, indicates that copies of such the ISR (i.e., PCT) references had been received by the USPTO, and accordingly, no redundant copies are provided herewith.

PENDING CLAIMS

Claims 1-18 were pending, under consideration and subject to examination in the Office Action. Appropriate claims have been amended, canceled and/or added

(without prejudice or disclaimer) in order to adjust a clarity and/or focus of Applicant's claimed invention. That is, such changes are unrelated to any prior art or scope adjustment and are simply refocused claims in which Applicant is presently interested. At entry of this paper, Claims 1-18 will be pending for further consideration and examination in the application.

REJECTION UNDER 35 USC '103

All 35 USC '103 rejections are respectfully traversed. All descriptions of Applicant's disclosed and claimed invention, and all descriptions and rebuttal arguments regarding the applied prior art, as previously submitted by Applicant in any form, are repeated and incorporated hereat by reference. Further, all Office Action statements regarding the prior art rejections are respectfully traversed. As additional arguments, Applicant respectfully submits the following remarks in support of traversal of the rejection and patentability of Applicant's clarified claims.

In the present invention, a master key generation unit generates a key by receiving both of the first and second key information. Namely the key is generated with the two key information; with the first key information being **apparatus specific key information**, and the second key information being another (e.g., non-apparatus-specific) key information. Further, for enhanced security purposes (i.e., to thwart unauthorized decrypting), **the first key information is not recorded onto the medium**, i.e., just the second key information is recorded. (See Fig. 8 and corresponding description in the specification.)

It is possible to realize high security by using the first and the second key information for encrypting, and **then recording just the second key information**

onto the medium, because it makes difficult to infer the missing apparatus-specific key from the recorded information, as the first key information is not recorded onto the medium. That is, if a recording is made on a specific apparatus, and then is attempted to be reproduced on a differing apparatus, reproduction will fail because the differing apparatus will not be privy to the first (apparatus specific) key information.

Thus, Applicant's invention is **advantageous** in providing another level of security/copy-protection, in that **its apparatus specific key information allows apparatus specific copies to be made.**

Turning now to rebuttal of the applied references, Office Action comments allege that portions of Chou (e.g., col. 6, lines 17 - col. 7, line 5) teaches Applicant's first (apparatus specific) key information. Strong traversal is appropriate, because **Chou's disclosure nowhere discloses (or suggests) any type of apparatus specific key information.** More particularly, Chou's keys are specific to a "**noise sample**" and/or to a "**digital video disk**." Chou's col. 1, lines 60-64, for example, states:

...The encryption process uses **a key generated from the sample of noise signal** which was combined with the original video data. The key derived from the sampled noise is further encrypted with **a encryption key Kx specific to the digital video disk.**

As additional examples, attention is directed to Chou's col. 8, lines 19-22, and Chou's abstract. In short, none of Chou's keys are apparatus specific.

Regarding the other applied references, none of such references cure the major deficiency mentioned above with respect to the primary Chou reference.

Accordingly, it is respectfully submitted that no combination of the applied references would have disclosed, or suggested, Applicant's claimed invention.

In addition to the foregoing, the following additional remarks from Applicant's foreign representative are also submitted in support of traversal of the rejection and patentability of Applicant's claims.

Though the Examiner alleges that "Chou disclosed ... first key information generation unit ... (see Chou col. 6, lines 34-38 DK_A)...", such is actually different from Applicant's "first key information generation unit". That is, Chou's DK_A does not have roots in an "apparatus". Instead, Chou's DK_A has roots in a "disc" (see Chou col. 3, lines 30-34, 52-56). Accordingly, the first key information generation unit of Applicant's invention is not disclosed (or suggested) at all.

As a result of all of the foregoing, it is respectfully submitted that the applied art (taken alone and in the Office Action combinations) would not support a '103 obviousness-type rejection of Applicant's claims. Accordingly, reconsideration and withdrawal of such '103 rejection, and express written allowance of all of the '103 rejected claims, are respectfully requested. Further, at this point, it is respectfully submitted as a reminder that, if new art is now cited against any of Applicant's unamended claims, then it would not be proper to make a next action final.

EXAMINER INVITED TO TELEPHONE

The Examiner is herein invited to telephone the undersigned attorneys at the local Washington, D.C. area telephone number of 703/312-6600 for discussing any Examiner's Amendments or other suggested actions for accelerating prosecution and moving the present application to allowance.

RESERVATION OF RIGHTS

It is respectfully submitted that any and all claim amendments and/or cancellations submitted within this paper and throughout prosecution of the present application are without prejudice or disclaimer. That is, any above statements, or any present amendment or cancellation of claims (all made without prejudice or disclaimer), should not be taken as an indication or admission that any objection/rejection was valid, or as a disclaimer of any scope or subject matter. Applicant respectfully reserves all rights to file subsequent related application(s) (including reissue applications) directed to any/all previously claimed limitations/features which have been subsequently amended or cancelled, or to any/all limitations/features not yet claimed, i.e., Applicant continues (indefinitely) to maintain no intention or desire to dedicate or surrender any limitations/features of subject matter of the present application to the public.

CONCLUSION

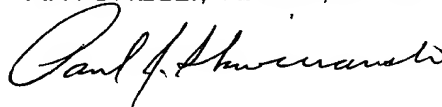
In view of the foregoing amendments and remarks, Applicant respectfully submits that the claims listed above as presently being under consideration in the application are now in condition for allowance.

To the extent necessary, Applicant petitions for an extension of time under 37 CFR 1.136. Authorization is herein given to charge any shortage in the fees, including extension of time fees and excess claim fees, to Deposit Account No. 01-2135 (Case No. 501.40474X00) and please credit any excess fees to such deposit account.

Based upon all of the foregoing, allowance of all presently-pending claims is respectfully requested.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in cursive script, appearing to read "Paul J. Skwierawski".

Paul J. Skwierawski
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Attachments:
22 October 2001 Form(s) PTO-1449
PTO/SB/08 Form



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DKT. NO. 501.40474X00	SERIAL NO. Not yet assigned
	APPLICANT SASAMOTO.	
	FILING DATE August 16, 2001	GROUP Not yet assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	AM	8-56350	02/27/96	JP	H04N	7/16	
	AN	5-174496	07/13/93	JP	G11B	20/12	
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	FUJITA, et al., Newly Developed D-VHS Digital Tape Recording System For the Multimedia Era, IEEE Transaction on Consumer Electronics, Vol. 42, No. 3, August 1996, pps. 617-622		
	AV	Patent Abstracts of Japan	08-056350	February 27, 1996
	AW	Patent Abstracts of Japan	05-174496	July 13, 1993
	AX			
	AY			
	AZ			
Examiner				Date Considered

PTO/SB/08A (08-03)